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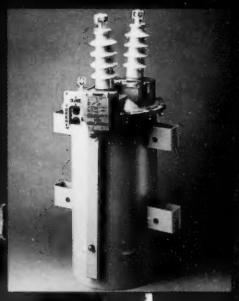

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As a reader, you will realize that *T&D* editors and writers have published more than 1550 articles between 1982 and 1993 focusing on the power-delivery industry. No other magazine can make that claim. I urge you to use the issue as a research tool and a guide to the evolution of transmission and distribution technology and project work over the past 10 yr.

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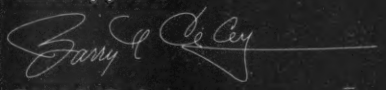

Barry LeCerf
Publisher

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Eric A. Powers, Public Service Co. of New Mexico, April 1989.

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Frank Cardillo and Louis Criso, Consolidated Edison Co. of New York, Inc., October 1990.

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James L. Pyle, Kansas City Board of Public Utilities, February 1991.

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Douglas A. Lukenbill, Missouri Public Service, October 1991.

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Dennis W. Hughes, Navopache Electric Cooperative, Inc., April 1992.

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Dean Sever, Sumter Electric Cooperative, Inc., September 1992.

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Ake R. Pettersson, Swedish State Power Board, February 1984.

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Robert J. Frantzen, Nevada Power Co., September 1982.

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Earl J. Wiesner, Northern States Power Co., February 1983.

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Leslie H. Williams, Consumers Power Co., February 1983.

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C. E. Evans, Palmetto Electric Cooperative, February 1983.

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R.C. Huttsell, Kansas City Power & Light Co., February 1983.

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A.J. Hornfeck Jr., Duquesne Light Co., February 1983.

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T.Y. Anderson, The United Illuminating Co., February 1983.

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Henry J. Why, Philadelphia Electric Co., August 1983.

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Carlton W. Paugh, New York State Electric & Gas Corp., August 1983.

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Vincent Kisarewki and Martin Gitten, Consolidated Edison Co. of New York, August 1983.

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Aerial Equipment Requires Thorough, Regular Inspection
Kenneth Moore, Iowa Association of Electric Cooperatives and Clarence A. Larson, ATC Test Center, January 1984.

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Michael Cooper, The L.E. Myers Co. Group, Febraury 1984.

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J.C. Jacobi and E.C. Suehle, Baltimore Gas & Electric Co., July 1985.

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Lynn Reifschneider, Lincoln Electric System, December 1985.

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Mary Gross, CH2M Hill, May 1986.

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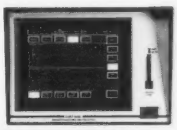

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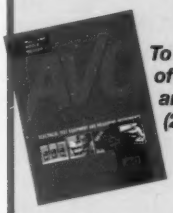

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Franco Boni and Bruno Antonio Cauzillo, Ente Naxionale per L'Energia Elettrica, Italy, June 1990.

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Keith T. Pearson and Charles Peck, United Power Association, September 1991.

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Mary Pappas, Wisconsin Public Service Corp., June 1992.

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Dr. J.J. Grainger, North Carolina State University, July 1982.

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John M. Bryant, Nashville Electric Service, August 1982.

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J.K. Reid, Appalachian Power Co., June 1984.

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Eliminate Short Guy Leads with Better Pole Embedment
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A Multi-Task System for Distribution Engineering
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Dale T. Irwin, Delmarva Power Co., July 1988.

High Voltage Radar Speeds UG Fault Location
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Randall A. Stansberry, Oklahoma Gas & Electric Co., April 1991.

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Stock One Voltage Class URD Cable; Reap Multiple Benefits
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Locator Cuts Time To Find Underground Cable Faults
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Improving Productivity for Underground Crews
Thomas D. Walsh, Boston Edison Co., September 1985.

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Eric Winslow, City of Dover, Delaware, August 1986.

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New Methods Locate UG Primary in Congested Areas
Norman V. Palm and Allen Bryce, Public Service Co. of Colorado, September 1986.

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Service-entrance protection for the switchgear is provided by Fault Fiter Fuses having an inverse TCC curve that fully coordinates with both the utility's upstream protective devices and the capital's load-feeder power fuses, Figure 1.

Multitiered miscoordination would have occurred with circuit breakers applied for service-entrance protection, Figure 2.

The wide choice of TCCs from the family of Fault Fiter Electronic Power Fuse inverse curves and Fault Fiter's 40-kA symmetrical interrupting rating will accommodate future coordination changes and higher fault levels as the capital's distribution system is upgraded and modified to handle growing loads.

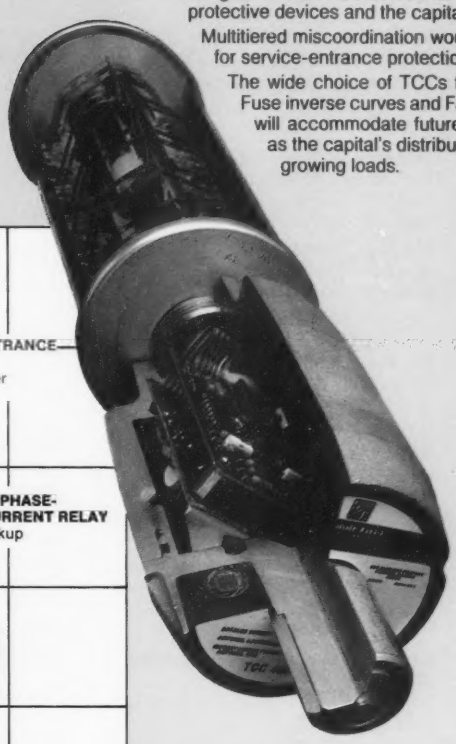


Figure 1.

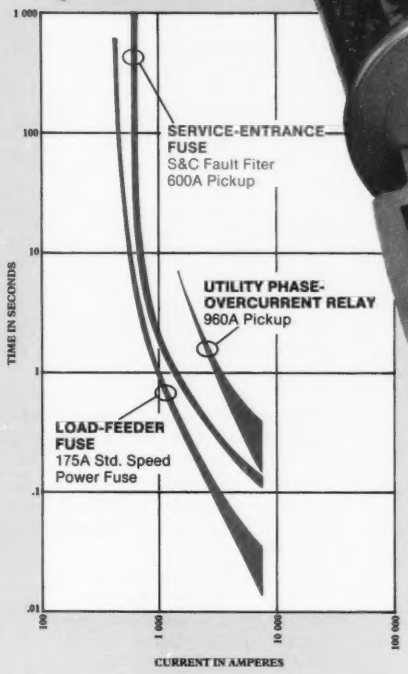
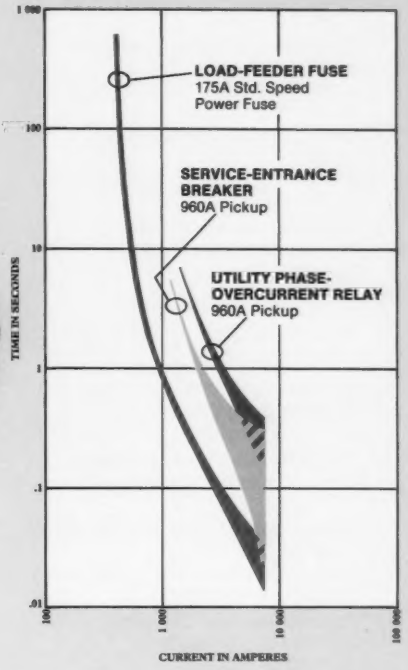
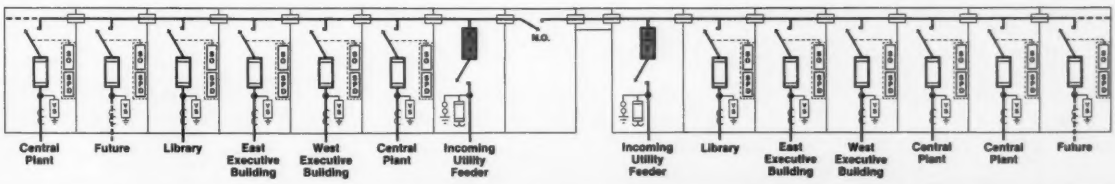


Figure 2.





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Virgina Power Attacks Underground Cable Problems
William D. Urquhart, Virginia Power, July 1987.

Attack Continues on Underground Distribution Problems
John T. Tyner, Midwest Editor, July 1987.

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Vic Greorius, Puget Sound Power & Light, July 1987.

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Elgin G. Enabnit Jr., Editorial Director, February 1990.

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H.L. Willis and J.E.D. Northcote-Green, Westinghouse Electric Corp., July 1983

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Thad H. Enloe, Salt River Project, July 1983.

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Clark W. Gellings, Electric Power Research Institute, and John C. Schaefer, Consultant, July 1983.

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M. Steven Eldridge, Umatilla Electric Cooperative Association, November 1983.

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Don Pettit, Interstate Power Co., October 1985.

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P.R.Patel, Puget Sound Power & Light Co. and W.F. Heugel, Ferranti International Controls Corp., March 1986.

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Corbitt Clift, Cobb Electric Membership Corp., March 1986.

Co-Op Builds Unique System Map Board
Mark Weismantel, East River Electric Power Cooperative, March 1986.

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Load Control Fulfills Expectations
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Residential Thermal-Storage Program Helps Shift Loads
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R. Allen McKee, PSI Energy, December 1991.

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Fred Erick K. Ottman, Public Service Co. of Colorado, December 1991.

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Pennsylvania Power & Light Implements Computer Aided Distribution Planning
Michael J. Peters, Pennsylvania Power & Light Co., February 1993.

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John T.Tyner, Midwest Editor, January 1984.

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Charles G. Crawford, Dallas Power & Light Co., January 1984.

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Refurbishing Underground Fiber Conduit Eliminates Costly Replacement
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Substation Maintenance Is Computerized
Ralph Branca and Robert Bell, Blackstone Valley Electric Co., February 1988.

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Helicopter Speeds Aircraft Warning Sphere Replacement
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John C. Slothower, Consultant (Deceased), August 1985.

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Jim Swift, Illlinois Power Co., September 1985.

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C.L.Rye, South Carolina Electric & Gas Co., December 1987.

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Barry LeCerf, Executive Editor, January 1989.

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R. Allen McKee, PSI Energy, December 1991.

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A Structured Approach to AM/FM Project Development
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Distribution System Mapping for Rural Cooperative
Paul W. Manning, Cullman Electric Cooperative, and Willis H. Cook, Patterson & Dewar, February 1992.

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Co-Op Installs AM/FM and Distribution-Analysis System
Eugene Jackson, Pea River Electric Cooperative, April 1993.

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Micro-electronic Technology Meets Utilities' Metering Needs
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J.C. Kuurstra, Ontario Hydro, September 1986.

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Mike Roe, McCook Public Power District, October 1988.

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George D. Hill, SaskPower Corp., March 1989.

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ServiceNet Project Team, Boston Edison Co., April 1990.

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G.Michael Blanford, Ohio Valley Electric Corp., January 1991.

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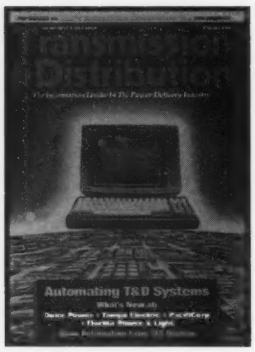

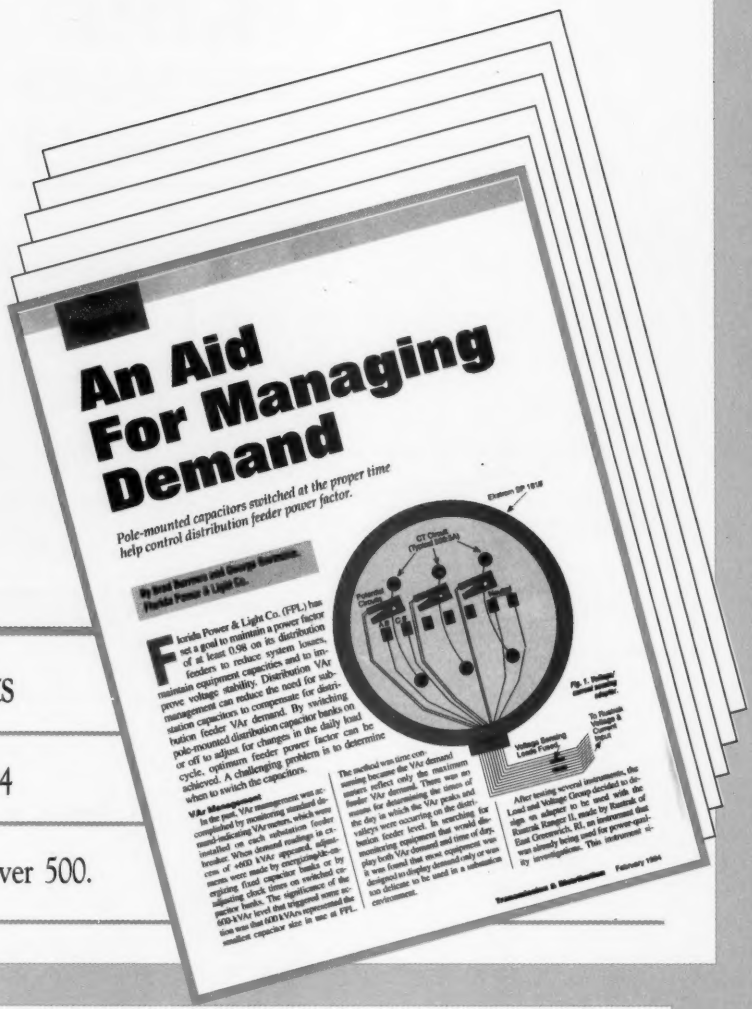
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Gregory R. May, May Engineering Laboratories,Inc., October 1991.

Recording And Analysis System Is Flexible and Powerful
Donald Chermel, Commonwealth Edison Co., December 1991.

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Lynn Stauffer, Grand River Dam Authority, February 1992.

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William J. Kramer and Richard M. Cawley, Boston Edison Co., December 1985.

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LILCO Adopts New Cable Tagging System
John F. Haines, Long Island Lighting Co., May 1983.

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Lloyd Wortman, Salt River Project, June 1983.

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L.M. Flannelly, Philadelphia Electric Co., August 1986.

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John P. Koller, Commonwealth Edison, October 1986.

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Larry Eng, New York Power Pool, October 1986.

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John B. Dagenhart, John G. Dalton, G. Wayne Ivey and Kenneth B. Kells Jr., Duke Power Co., May 1987.

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Clayton Hurless, Salmon River Electric Cooperative and Don Angell, Power Engineer, Inc., October 1987.

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David Lee Tuck, Energy Management & Software Consulting, October 1987.

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Richard Ingersoll, Arizona Public Service Co., October 1987.

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Fred C. Schweppe, Massachusetts Institute of Technology and Hyde M. Merrill, Power Technologies, Inc., October 1987.

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Larry L. Duba, Pacific Gas & Electric Co., January 1988.

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Robert J. Kloepfer, United Illuminating Co., January 1988.

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Bert Chase, Consultant, January 1988.

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R. Barnett Adler, Philadelphia Electric Co., August 1988.

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Fred Vaughn, San Diego & Electric Co., October 1988.

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Roger C. Zaklkiewicz and Donald R. Grenon, Northeast Utilities, May 1989.

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Sam F. Macalus, Northern States Power Co., January 1990.

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Donald C. Dassman, COM/Electric, Commonwealth Energy Systems, January 1990.

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Tapani O. Seppa, The Valley Group and Woodrow F. Whitlatch, Jr., Pacific Gas And Electric Co., May 1992.

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John G. Kappenman and Scott R. Norr, Minnesota Power, May 1992.

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Nashville Electric Upgrades with Concrete Distribution Poles
John M. Bryant, Nashville Electric Service, August 1982.

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Low-Cost Steel Foundations Save Time and Money
Bernard Bruns, Town of Oyster Bay, NY, August 1983.

Backyard Pole Replacement Using Fiberglass Poles
Mark Gart and Gary Krambule, Bureau of Electricity City of Alameda, CA, November 1983.

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Double-Circuit Wood H-Frames Pass Ice Storm Test
Tom Bozeman, Kansas Power & Light Co., and Robert A. Reisdorff, Hughes Brothers, Inc., July 1984.

Weathering-Steel Poles Selected for 138-kV Line
Thomas A. Foreman, Alexander Utility Engineering, Inc., July 1984.

Steel-Pole Structures for 500-kV Line
John F. Karcher, Jersey Central Power and Light Co., October 1984.

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Graphs Developed To Determine Structure Defection
Tim Hardy, Alabama Power Co., July 1985.

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New Ideas for Power Poles
Lawrence L. Morn, Retired, December 1986.

Low-Cost Distribution Substation Uses Wood Poles
Joseph Braun, Otter Tail Power Co., February 1987.

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John P. Koller, Commonwealth Edison Co., May 1987.

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Nondestructive Evaluation in Wood-Pole Management
Patrick J. Hasenoehrl, Idaho Power Co., December 1987.

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Bert Chase, Consultant, January 1988.

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Double-Arm Bolts Save Deadend-Pole Money
Dale Anderson, Detroit Edison Co., August 1988.

Inverted-y Poles Support Heavy Angles in Landfill
Raymond J. Kirsch, Union Electric Co., March 1989.

Recent Developments in Fumigant Treatments Prolong Wood-Pole Life
Dr. Jeffrey J. Morrell, Oregon State University, May 1989.

Wood-Pole Management Program Is Cost Effective
Stephen E. Malich, Tampa Electric Co., June 1989.

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CAT Scanner Inspects Poles In Field
William H. Miller, Assoc. Professor, Nuclear Engr., University of Missouri-Columbia, August 1989.

Power-System Loss Calculations Are Updated
Jill S. Baylor and Martin W. Gustafson, Stone & Webster Management Consultants, Inc., November 1989.

Steel Truss Replaces Wood Crossarms on New 161-kV H-Frames
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Donald A. Brennan, Ohio Edison Co., November 1990.

Kerfing Reduces Decay in Douglas-Fir Poles

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J.J. Morrell, Forest Products Dept., Oregon State University and David J. Blake, Consumers Power, Inc., April 1991.

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Spun Concrete Distribution Poles – An Alternative,
Fouad H. Fouad, The University of Alabama at Birmingham and Edward C. Mullinax, Jr., Alabama Power Co., April 1992.

Light-Duty Steel Poles Solve 69-kV Line Aesthetic Concerns
Ron Predovich, Cooperative Power, May 1992.

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Samuel Boyd Jr., Potomac Electric Power Co., October 1991.

Computerized Mapping Increases Mapper Productivity
Scott B. Zima, Northern States Power Co., October 1991.

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Specifiers & Buyers Guide, September 1982.

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S.J. Benna and T.W. Lopp, Westinghouse Electric Corp., November 1982.

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A New Tool for Evauating Equipment Quotations
C.K. Hale, Consumers Power Co., May 1984.

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Jerry W. Smith, Mississippi Power Co., September 1990.

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Massive 138-kV Substation Readies for 345 kV Expansion in the Year 2000
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D. Viskoe, Minnesota Power, March 1985.

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E. Cadenhead, Troup County Electric Membership Corp., March 1985.

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Solar-Powered Repeater Eliminates Mobile-Radio Black-Out
Bruce A. Mork, Burns & McDonnell Engineering Co. and Stephen M. Trusler, Deseret Generation & Transmission Cooperative, February 1988.

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Dean Sever, Sumpter Electric Cooperative, Inc., September 1992.

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Penelope M. Allison and Kevin Hursey, Duke Power Co., October 1992.

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Brian Trager and Scott A. Thomas, McGraw Edison Co., December 1983.

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J. Howard Shaw and Nils V. Holmgren, McGraw-Edison Co., July 1985.

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P.R. Elkin and P.D. Pedrow, Washington State University and T.J. Rahman, Washington Water Power Co., August 1988.

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EPRI Research Indicates Costs Savings on Drilled Pier Foundations
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B.W. Bryant, Public Service Co. of Oklahoma, January 1983.

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Aiken Electric Co-op, August 1983.

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Charles G. Crawford, Dallas Power & Light Co., January 1984.

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L.B. Hartman, Minnesota Environmental Quality Board and D.D.Wilson, Power Technologies, Inc., May 1984.

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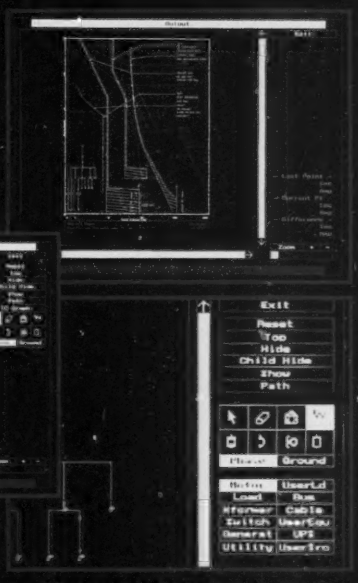

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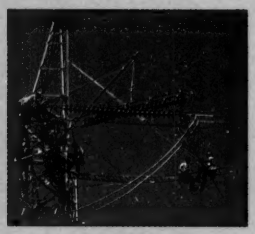

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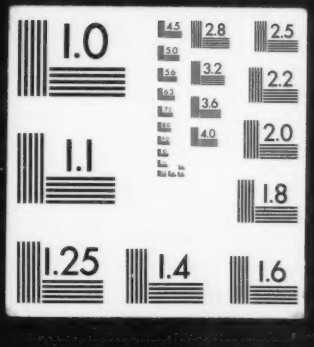
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